"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, S.S., inzh.

Automated marine boiler-separator. Sudostroenie 25 no.4:73 Ap '59.
(MIRA 12:6)

(Boilers, Marine)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, S.S.

Excavating machinery for the cleaning of waste disposal lagoons.
Sakh.prom. 33 no.12:42 D '59. (MIRA 13:4)

(Kiev--Sugar industry--Equipment and supplies)
(Sewage disposal)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, S., inzh.

They will come from Kiev. Znan. ta pratsia no. 4.9 Ap '61.
(MIRA 14:5)

(Kiev--Dredging machinery)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, S.

Saving nonferrous metals at the "Leninskaia Kuznitsa" Plant. (MIRA 14:4)
Mashinostroitel' no. 4:39 Ap '61.
(Kiev—Machinery industry)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, S., inzh.

"Mniak" trawler. Znan.ta pratsia no.4:20 Ap '62. (MIRA 15:4)
(Trawls and trawling)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, S.S.

Diesel electric dredge pump. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekh.inform. no.6142-43 '62. (MIRA 15:7)
(Dredging machinery)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, S.S., inzh.

One-hundred year anniversary of the "Leninskaia Kuznitsa."
Sudostroenie 28 no.4:80 Ap '62. (MIRA 15:4)
(Kiev--Shipyards)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, S.S., inzh.

Pumping dredger. Sudostroenie 28 no.8:63 Ag '62. (MIRA 15:8)
(Dredging machinery)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, S., inzh.

Powerful infant. Znan.ta pratsia no.8:15 Ag '62. (MIRA 15:12)

(Dredging machinery)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, S.S.

Contribution of the "Lenin Forge Shop." Mashinostroitel' no.1:45 Ja '64. (MIRA 17:2)

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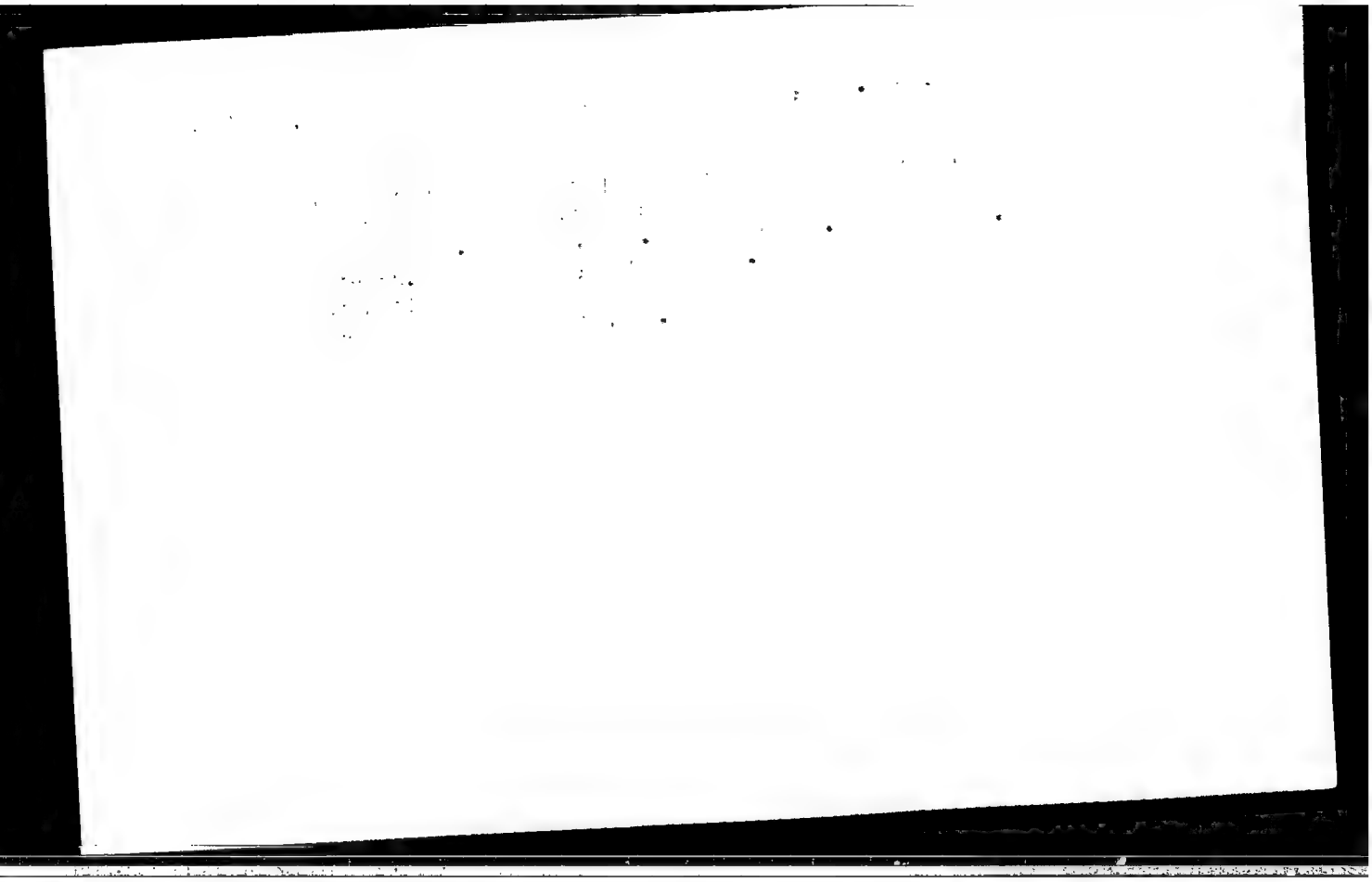

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L 43191-65 EWT(1)/EWA(h) Peb GG S/0119/65/000/003/0004/0006

ACCESSION NR: AP5007783

AUTHOR: Strashun, Yu. P. (Engineer)

TITLE: Some results of experimental research on triode switches

SOURCE: Priborostroyeniye, no. 3, 1965, 4-6

TOPIC TAGS: triode switch, semiconductor key, keyer tube, electronic controller, automatic control

ABSTRACT: Triode switches for dc voltages which consist of a valve and a semiconductor key are widely used in programming and coding devices of electronic controllers. Regardless of the type of semiconductor key, it should contain two transistors. A key group which switches two voltages is shown in fig. 1 of the Enclosure. The solid lines show single transistor keys, the dotted lines indicate keys based on two transistors. Assume that $U_1 > U_2$. When key K_1 is saturated, voltage U_1 passes to point a. Key K_2 should not be conducting at this time (voltage $U_{y^2} = 0$). However, transistor T_2 is triggered at the base-emitter junction since $U_1 > U_2$; the triggering of T_2 is equivalent to a drop in its back resistance, and it

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begins to bypass load resistor R_H. When the load resistance is reduced without changing voltage U_1, there is an increase in the residual voltage drop at saturated triode T_1. This disadvantage is eliminated by using a second transistor. When a key which uses two triodes is saturated, one of the transistors is the key triode while the other is a compensator. Base currents $I_{б1}$ and $I_{б2}$ increase with the negative voltage between base and collector, key transistor T_1 is gradually saturated, i.e. its collector-emitter voltage decreases. With a considerable increase in the base current, the collector-emitter voltage reaches a minimum and begins to increase in approximation to a linear law. The sign of the collector-emitter voltage remains unchanged and is the same as that of voltage U_1. At comparatively low $I_{б3}$ currents, the sign of the collector-emitter voltage for transistor T_3 coincides with the sign of the residual voltage drop at T_1. With a further increase in the base current, the absolute value of the collector-emitter voltage decreases, passing through zero and changing sign and then increases. These phenomena were studied in a key using P15 germanium transistors. This key is used in a code-to-voltage converter. Fig. 2 of the Enclosure shows the emitter-base voltage of the key triode, that of the compensating triode and the residual voltage drop between the emitters of transistors T_1 and T_3 as functions of the total base current. The transistors had a current amplification factor in a common base circuit $\alpha = 0.972$. It was found

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L 43191-65

ACCESSION NR: AP5007783

that a total base current of very nearly 20 milliamps is necessary to obtain a residual voltage drop of no more than 10 millivolts regardless of the parameter dispersion for the P15 triode. Orig. art. has: 4 figures, 5 formulas.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 02 SUB CODE: EC

NO REF SOV: 005 OTHER: 000

3/5

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASHUN, Yu.P., inzh.

Some results of experimental investigations of triode switches. Priborostroenie no.3:4-6 Mr '65. (MIRA 18:4)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

L 55346-65 EWT(1)/EED-2/EWP(1) Pg-4/Pg-4/Pk-4 IJP(c) BB/GG/GS

ACCESSION NR: AT5014626 UR/0000/65/000/000/0079/0081
681.142.324

28
B+1

AUTHOR: Fel'dman, B. Ya.; Strashun, Yu. P.; Malyavina, R. M.

TITLE: Magnetic parametric null-element

SOURCE: Vsesoyuznoye soveshchaniye po magnitnym elementam avtomatiki i vychislitel'noy tekhniki. 9th, Yerevan, 1963. Magnitnyye analogovyye elementy (Magnetic analog elements); doklady soveshchaniya. Moscow, Izd-vo Nauka, 1965, 79-81

TOPIC TAGS: parametric null element, high speed null element, high output null element, magnetic null element

ABSTRACT: Current data elements are widely used in systems linking various operating objects with computers. The AUS (Aggregate Unified System) standardizes the current scale to a maximum value of 5 mA and this, in turn, demands the design of highly reliable and sensitive magnetic null-elements. In this paper, the authors designed and described a parametron-based magnetic null-element in which: 1) the sensitivity is somewhat smaller then that of null-elements consisting of amagnetic amplifiers with second harmonic output and auxiliary resonant amplifiers (the Q-factor of which, however, limits the speed of the element);

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

L 55346-65

ACCESSION NR: AT5014626

2) the speed is higher than in magnetic amplifiers and may be raised up to 100-200 Kc; 3) switching is very simple and permits the joining of a large number of parametric null-elements (perturbation due to nonselected or semiselected cores are absent); 4) the output signal is generated on half the frequency relative to the power supply; this frequency is not within the frequency spectrum obtained during the pumping of the nonlinear element and can be easily separated; and 5) high intensity of the output signal and its significant purity make it possible to work with no further amplifier (or with a very simple one). Orig. art. has: 5 figures.

ASSOCIATION: None

SUBMITTED: 28Dec64 ENCL: 00 SUB CODE: DP

NO REF SOV: 001 OTHER: 00

Card 2/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

PASTER, I.D.; STRASHUNSKIY, A.M.; RODZEVICH, S.S., red.; ROZHIN, S.S., tekhn. red.

[Standardized control of mechanical drawings] Normalizatsionnyi kontrol' chertezhei. Moskva, Gos. izd-vo obor. promyshl., 1958. 71 p. (MIRA 11:9)
(Mechanical drawing--Standards)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

PASTER, Iosif Davidovich; STRASHUNSKIY, Aleksandr Maksimovich; BEKHTEREV, V.V., inzh., retsenzent; MYSHENSKIY, N.I., inzh., red.; KUREPINA, G.N., red. izd-va; SECHETININA, L.V., tekhn. red.

[Industrial standardization] Proizvodstvennaia normalizatsiia. Moskva, Mashgiz, 1963. 241 p. (MIRA 16:7)
(Standardization) (Simplification in industry)

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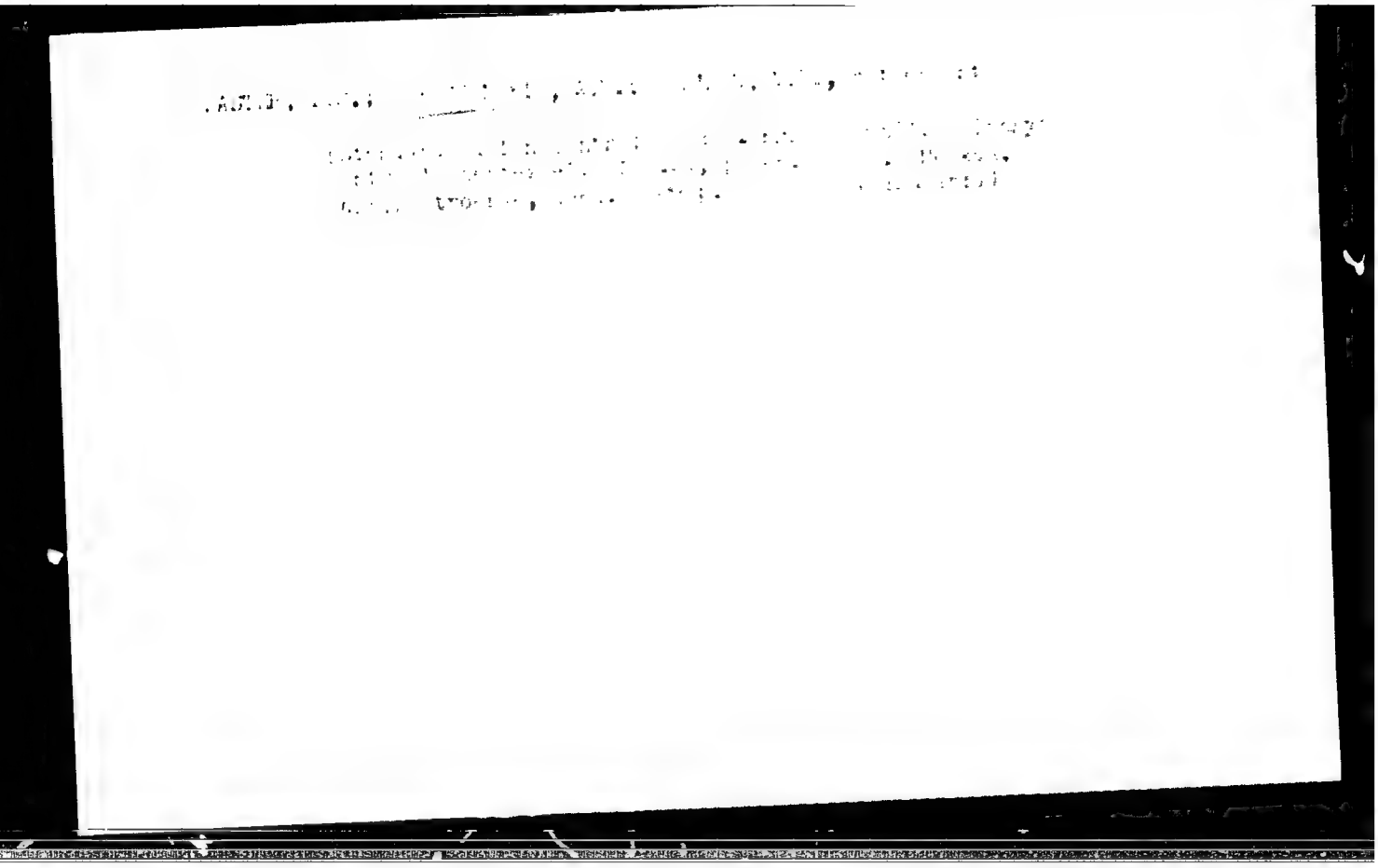

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

1. [Strašický, J.]; VATSEK, M. [Vacek, M.]

Methods for analyzing the general morbidity of the population of the Czechoslovak Republic. Gig. i san. 23 no.2:92 F '58. (MIRA 11:4)
(CZECHOSLOVAKIA--MEDICAL RECORDS)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

[illegible], F.

[illegible] you already [illegible] the further [illegible] of the [illegible] continue for flax? [illegible].
Defects of machinery during the harv[illegible] and methods of eliminating them. [illegible] 255.
[illegible], Praha, Vol. 5, no. 13, July 1955.

[illegible]: Monthly list of East European Accessions, (EAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASIMIROV, D.; OGNJANOV, M.

The effect of the summation of stress factors of different forces on the quantity of steroid hormones in human urine. Dokl. bolg. akad. nauk 16 no.4:425-427 '63.

1. Vorgelegt von Akademiemitglied D. Orahovats.
(17-KETOSTEROIDS) (URINE) (STRESS)

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASKRABA, Milan

Share of the [illegible] region in the productivity of two fishponds in southern Bohemia. Rozpravy mat. CSAV 73 no.13:1-64 '63.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

[illegible], V.

"Preliminary Information on the Distribution of the Genus Gammarus in Czechoslovakia", p. 212, (VESTNIK, Vol. 17, No. 3, 1953, Praha, Czech.)

SO: Monthly List of East European Accessions, (EEAI), LC, Vol. 4, No. 3, Mar 1955, Uncl.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

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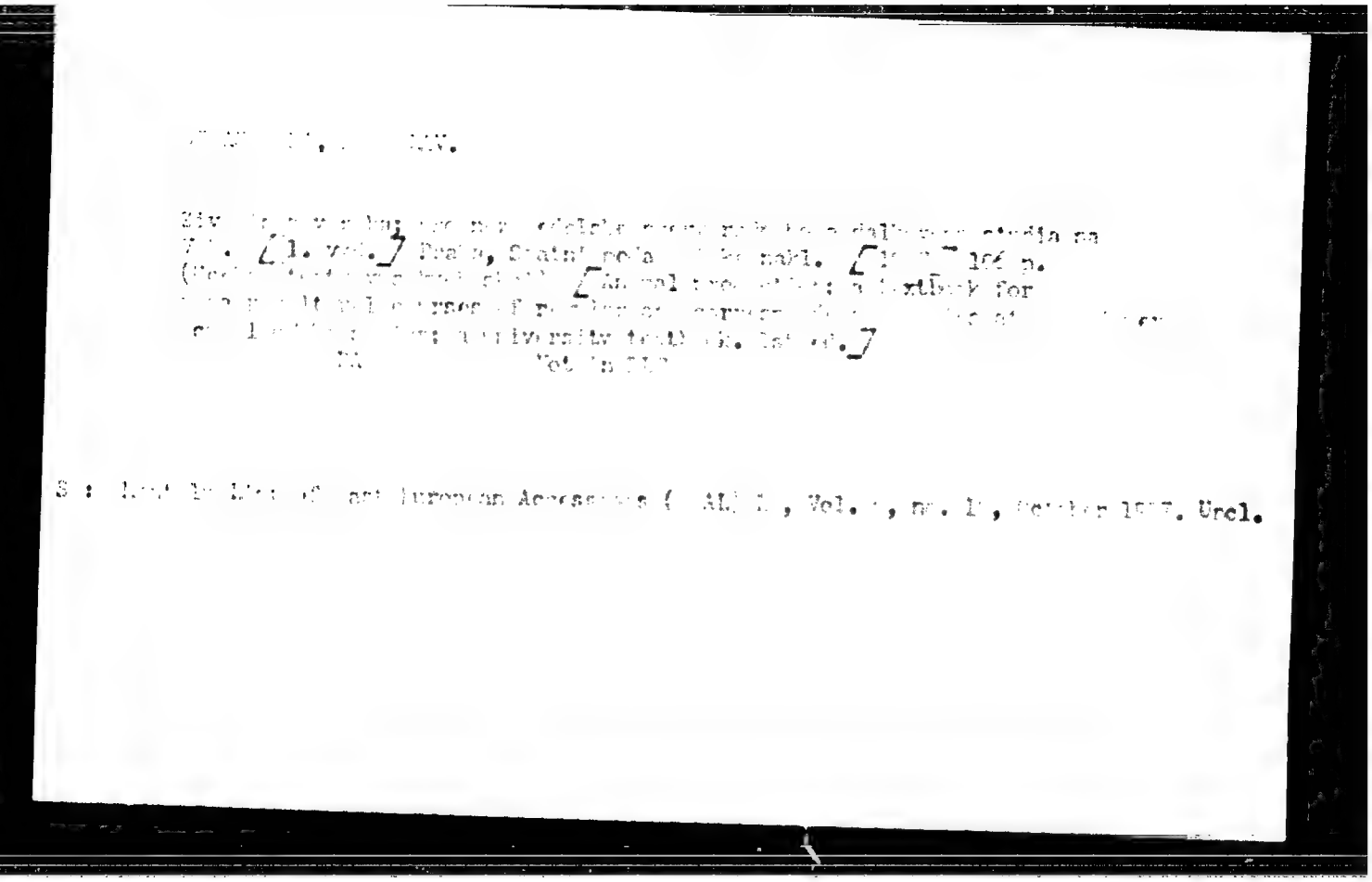

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[illegible], [illegible]; [illegible], [illegible].

The terrestrial amphipod Talitrus (Talitroides) alluaudi Chevreux 1896 in Czechoslovakia. [illegible] (CA[illegible]; [illegible] PRIR DOV.DNY, Vol. 1[illegible], No. 1, 1957. Praha, Czechoslovakia)

[illegible]: Monthly List of East European Accessions (EEAL) LC, Vol. [illegible], No. 12, Dec 1957. Uncl.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASKRABA, M.

Certain less-known Cladocera of the middle Elbe basin. p. 163.

CASOPIS; ODDIL PRIRODOVEDNY. Praha, Czechoslovakia. Vol. 127, no. 2, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no.1, January 1960. Uncl.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

[illegible], [illegible]; [illegible], L.; [illegible], M.

New methods of determining organic substances and [illegible] elements in water and water organisms. Vestnik [illegible] 73 no.3:[illegible]-499 '6[illegible].

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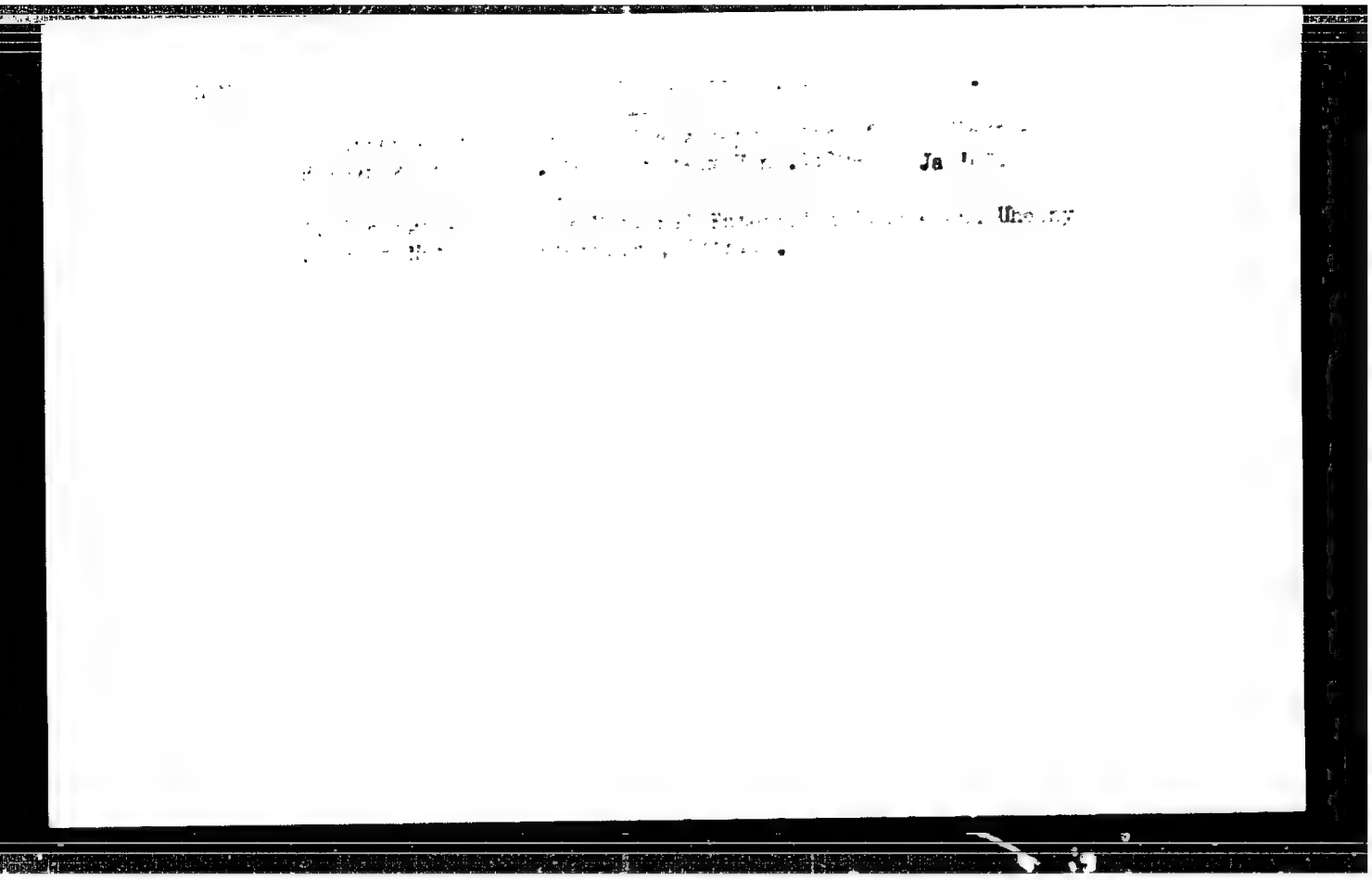
"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5



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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASKRABA, Vladimir, inz.; ZAPOROZEC, Alexander, promovany geolog

On the importance of the 2d Hydrogeological Conference in Ostrava. Geol pruzkum 5 no.5:144-145 My '63.

1. Uhelny pruzkum, n.p., Ostrava; Geologicky pruzkum, n.p., zavod stavebni geologie, Praha.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

JETELOVA, Jarmila, promovana geologka; KLIK, Stanislav, promovany geolog, kandidat geologicko-mineralogickych ved; STRASKRABA, Vladimir, inz.

Results of the Czechoslovak-Polish conference on joint problems in deposit hydrogeology. Geol pruzkum 6 no.5:154 My '64.

1. Geologicky pruzkum National Enterprise, Prague; Central Geologic Institute; Uhelny pruzkum National Enterprise, Ostrava.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASKY, Drahoslav; KACIREK, Milan

Effect of tin on the structure and mechanical properties of gray cast iron. Slevarenstvi 11 no.4:160-163 Ap '63.

1. Motor, n.p., Ceske Budejovice.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

JIRU, Jiri; STRASLIPKA, Miloslav

Standards of fuel consumption for road machines. Siln doprava 11 no.2: 24-25 F '63.

1. Ustav normovani ve stavebnictvi.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

Folyepitestudomanyi Szemle - Vol. 5, no. 3, Mar. 1955.

Pipeline construction without welding in the Soviet Union. p. 134.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASSER, Ferenc

Provisional road with steel construction. Melyepitestud szemle 14 no.6:258 Je '64.

Stressed sheet piles. Ibid.:289.

New type trench excavators. Ibid.:290.

Airfields. Ibid.:291.

Railroad construction in North Siberia. Ibid.:291.

1. Editorial board member, "Melyepitestudomanyi Szemle."

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASSER, Ferenc

Prefabricated bridges in the Soviet Union. Melyepitestud szemle 15 no.3:122 Mr '65.

New asphalt mixture for paving road surfaces. Ibid.:132

A 4,5 km long conveying belt. Ibid.:132

1. Editorial Board Member, "Melyepitestudomanyi Szemle."

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASSER, K.

Yugoslavia (430)

Science - Serials

Diplomads in Slovenia. In German. p. 13.
PRIRODOSLOVNA RAZPRAVE. Ljubljana.
Vol. 4, 1940.

East European Accessions List, Library of Congress, Vol. 1, no. 13, November 1952.
UNCLASSIFIED.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

L Pr.

LENDVAI, Jozsef, Dr.; STRASSER, Laszlo, Dr.

Experiences with unified medical care based on geographical principles. Nepegeszsegugy 38 no.7:165-170 July 57.

1. Kozlemeny a fovarosi Peterfy Sandor utcai korhaz-rendelointezetbol (Igazgato-foorvos: Lendvai Jozsef dr.)
(HOSPITALS
in Hungary, problems of assigning patients by geographical locations (Hun))

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASSER, Laszlo, dr.

Present problem of training of the sub-professional medical personnel.
Nepegeszsegugy 43 no.2:49-52 F '62.

(EDUCATION MEDICAL)

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASSER, Tibor

Industrial enterprises in Baranya County belonging to the ministries.
Pecsi musz szemle 5 no.1:3-7 Ja-F '60.

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BELFERT, I., ing.; [illegible] I. Gh., ing.; [illegible], Sonia

Reserves for increasing labor productivity. Constr Buc 16 no.776:2 21 N '64.

1. Institute of Building Research and Construction Economics (for Belfert, Strasun).

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

[illegible], Marian (Warszawa)

Evaluation of the cellulose market. Przegl papier 20 no. 4:106-110 Ap '64.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

L 18340-65 EWT(d) Po-4/Pq-4/Pq-4/Pk-4/Pl-4 IJP(c)/ASD(a)-5/AFTC(p)/SSD/
RAEM(a)/AFEIR/AFMD(c)/RAEM(d)/ESD(dp) BC
ACCESSION NR: AT4049216 P/2519/64/000/005/0591/0598

AUTHOR: Straszak, A. (Warsaw); Gutenbaum, J. (Warsaw)

TITLE: The synthesis of a self-stabilizing loop of a certain adaptive servomechanism controlled by changing the parameters

SOURCE: Polska Akademia Nauk. Instytut Podstawowych Problemow Techniki. Zagadnienia drgan nieliniowych, no. 5, 1964. Druga Konferencja Drgan Nieliniowych (Second Conference on Nonlinear Vibrations), Warsaw, Sept. 18-21, 1962, 591-598

TOPIC TAGS: system synthesis, automatic control system, self stabilizing loop, adaptive servomechanism, adaptive loop, parameter adjustment, quality criterion, Lyapunov method

ABSTRACT: In the case of automatic control systems which operate on a quality criterion which does not guarantee stable operation of the system, it is necessary to add an additional adaptive loop to the system. This article presents the operation of and a method for synthesizing a stabilizing adaptive loop in a control system in which

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L 18240-65
ACCESSION NR: AT4049216

the motor is controlled by modulating the pulse width or changing the resistance of the rotor circuit. A modification of the second method of Lyapunov is used as the stability criterion. Conditions are chosen such that the stability of the system can be judged by means of readily measurable quantities, such as the angular velocity or the angular position of the controlled variable. In case the stability conditions are not satisfied, the stabilizing circuitry acts to decrease the amplification factor. Orig. art. has: 5 figures.

ASSOCIATION: Institute of Automation, Polish Academy of Sciences, Warsaw

SUBMITTED: 26Sep62 ENCL: 00 SUB CODE: IE, DP

NO REF SOV: 000 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

L 21857-65 EWT(d)/EPF(n)-2 Po-4/Pq-4/Pg-4/Pu-4/Pk-4/Pl-4 IJP(c)/ASD(a)-5/
SSD/ASD(f)-3/AFMDC/AFMD(p)/AFETR/AFTC(p)/RAEM(a)/RAEM(d)/ESD(dp) WW/BC
ACCESSION NR: AP4046460 P/0031/64/009/002/0167/0177

AUTHOR: Straszak, A. (Strashak, A.)

TITLE: A particular problem of supervisory control

SOURCE: Archiwum automatyki i telmechaniki, v. 9, no. 2, 1964, 167-177

TOPIC TAGS: automation, automatic control system, supervisory control, control theory, optimal control system

ABSTRACT: The paper formulates the problem of supervisory control, the purpose of which is to optimize local optimal control systems having a common source of control signals. The problem of an optimal control system as an object of control is investigated analytically and the conclusion reached confirms the expectation that an optimal control system can be an object of supervisory control provided there is a possibility of appropriately limiting the control signal. This means that by employing a supervisory control it is possible to improve the overall control without the necessity of changing to a system having a single multi-dimensional controller. It is noted that if, for example, the supervisory control is limited to the control of local systems only at the initial moments, then the objects of supervisory control will show an inertial-free characteristic, thus making it possible to achieve optimization rapidly as well as to use a single system of supervisory

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control over many assemblies of overall control. Since, in a supervisory control, there are many local control systems, three new criteria of quality are introduced (summation criterion, minimax criterion, and equal-cost criterion) and discussed. Two examples of supervisory control are discussed. One example can be reduced to a problem of linear programming which can be solved using the simplex method. In the other example a very simple unit of overall control consisting of two control systems is discussed. The local systems consist of the same integrating objects which have transfer-type controllers. In this example the problem of supervisory control is formulated as a problem of nonlinear programming. The relationship between supervisory control and multi-dimensional control is briefly discussed. Orig. art. has: 6 figures and 45 formulas.

ASSOCIATION: Zaklad Teorii Sterowania Instytutu Automatyki PAN (Department of Control Theory, Institute of Automation, PAN)

SUBMITTED: 05Feb64 ENCL: 00 SUB CODE: IE

NO REF SOV: 001 OTHER: 007

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20(1) 307/161-58-4-3/28

AUTHOR: Strashak, Andzhey, Post-graduate Student

TITLE: Synthesis of Some Optimum Systems of Automatic Control (Sintez nekotorykh optimal'nykh sistem avtomaticheskogo upravleniya)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Elektromekhanika i avtomatika. 1958, Nr 4, pp 13-19 (USSR)

ABSTRACT: The comprehension of an optimum process was introduced for the first time into the theory of automatic control by A. A. Fel'dbaum (Ref 1). Here a method is proposed for the synthesis of processes operating differently from optimum processes and becoming optimum processes. The purpose of the stabilization- and servo systems is the best possible approximation of the steered coordinates to the steering coordinates. Therefore this problem is equivalent to that of the approximation of a function. It is shown that it is necessary and sufficient for the determination of an optimum process to know only the functional which determines the quality of the steering and of the limit. But it is not

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Synthesis of Some Optimum Systems of Automatic Control

necessary to know exactly the dynamics of the object . Hence it follows that the concerning optimum process is equal for a series of objects under the condition that the limits are constant. Therefore the synthesis of such systems is investigated here, at which the limits imposed on the system do not alter. It is shown that in this case the optimum operation can be realized by using a model of an optimum process, or an exterpolator. At this a continuous solution of the optimalizing problem by means of the search-method or an other method is not necessary. Finally an example is given. There are 5 figures and 14 references, 6 of which are Soviet.

ASSOCIATION: Kafedra avtomatiki, telemekhaniki i matematicheskikh mashin Moskovskogo energeticheskogo instituta
(Chair of Automation, Telemechanics, and Mathematical Machines of the Moscow Institute of Power Engineering)

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STRASHAK, A., Candidate Tech Sci (diss) -- "Some problems in the theory and synthesis of self-optimizing systems of automatic control". Moscow, 1959. 12 pp (Min Higher Educ USSR, Moscow Order of Lenin Power Engineering Inst), 150 copies (KL, No 24, 1959, 141)

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

S/044/62/000/005/060/072
C111/C444

AUTHOR: Straszak, A.

TITLE: Theory of scanning controls

PERIODICAL: Referativnyy zhurnal, Matematika, no. 5, 1962, 62, abstract 5V345. ("Arch. automat. i telemech.", 1961, 6, no. 2-3, 217-234)

TEXT: A detailed survey of the lectures on scanning controls which were held on the first congress of the IFAC. Considered are lectures on the theory of linear scanning systems, on statistic methods for their calculation, on optimal systems, on the theory of non-linear systems and on digital systems.

[Abstracter's note: Complete translation.]

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STRASZAK, A.A., dr ins.; GUTENBAUM, J., mgr ins.

"Outlines of operative automatic control" by Erwin Samal. Reviewed by A.A.Straszak, J.Gutenbaum. Pomiary 8 no.8:396 Ag '62.

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L 19916-66 EPF(n)-2/EWP(1) IJP(c) WW/RC
ACC NR: AP5023974 SOURCE CODE: PO/0031/65/010/002/0171/0188

AUTHOR: Straszak, A.—Strashak, A.

ORG: Department of Control Theory, Institute of Automation, Polish Academy of Sciences (Zaklad teorii sterovania Instytutu automatyki PAN)

TITLE: The partitioning problem in a large-scale multivariable control system

SOURCE: Archiwum automatyki i telemechaniki, v. 10, no. 2, 1965, 171-188

TOPIC TAGS: automatic control technology, linear automatic control, nonlinear automatic control, optimal automatic control

ABSTRACT: An optimal control problem for a large-scale multivariable control system was investigated. The basic difference between the optimal control problem in a multivariable control system and the optimal control problem in a large-scale multivariable control system is that in the latter the "control algorithm realization cost index" must be introduced. An analytical expression for this kind of constraint was obtained. For a linear optimal controller this cost index may be expressed as: $K = nW + n^2P$, where n is the dimension of the state vector, and W and P are parameters. In general, K is a function of n and structure. Minimization of the cost index K by aggregation and partitioning of variables is introduced. Optimal aggregation and partitioning for a linear multivariable control system is obtained and certain simple examples are described. Orig. art. has: 14 figures. [Based on author's abstract.]

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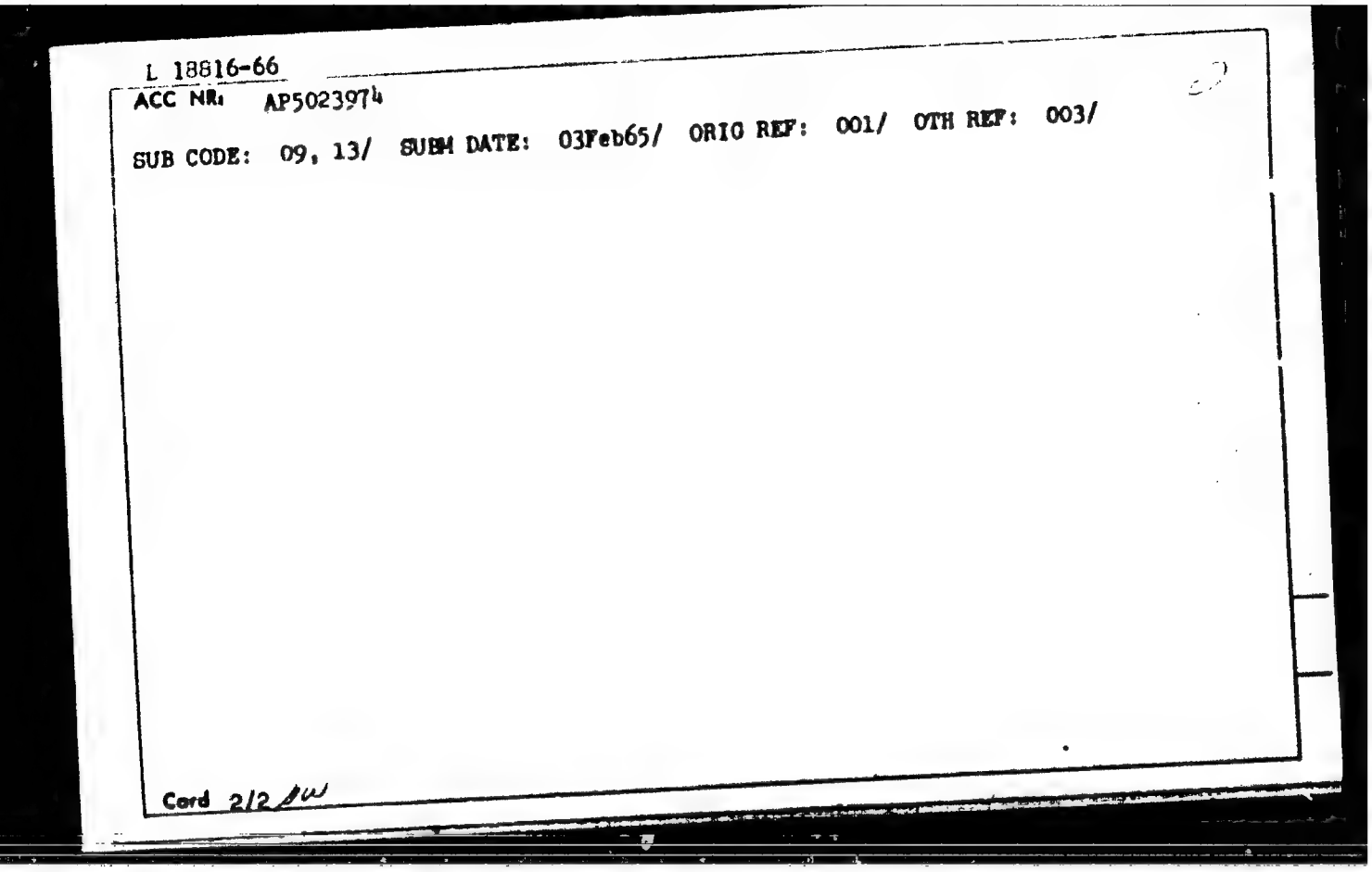

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZAWSKI, T.

Remarks on the new smoked-meat plant in Poznan.

p. 9
Vol. 7, no. 7, July 1955
GOSPODARKA MIESNA
Warszawa

SO: Monthly list of East European Accessions (EEAL), LC, VOL. 5 no. 2
Feb. 1956

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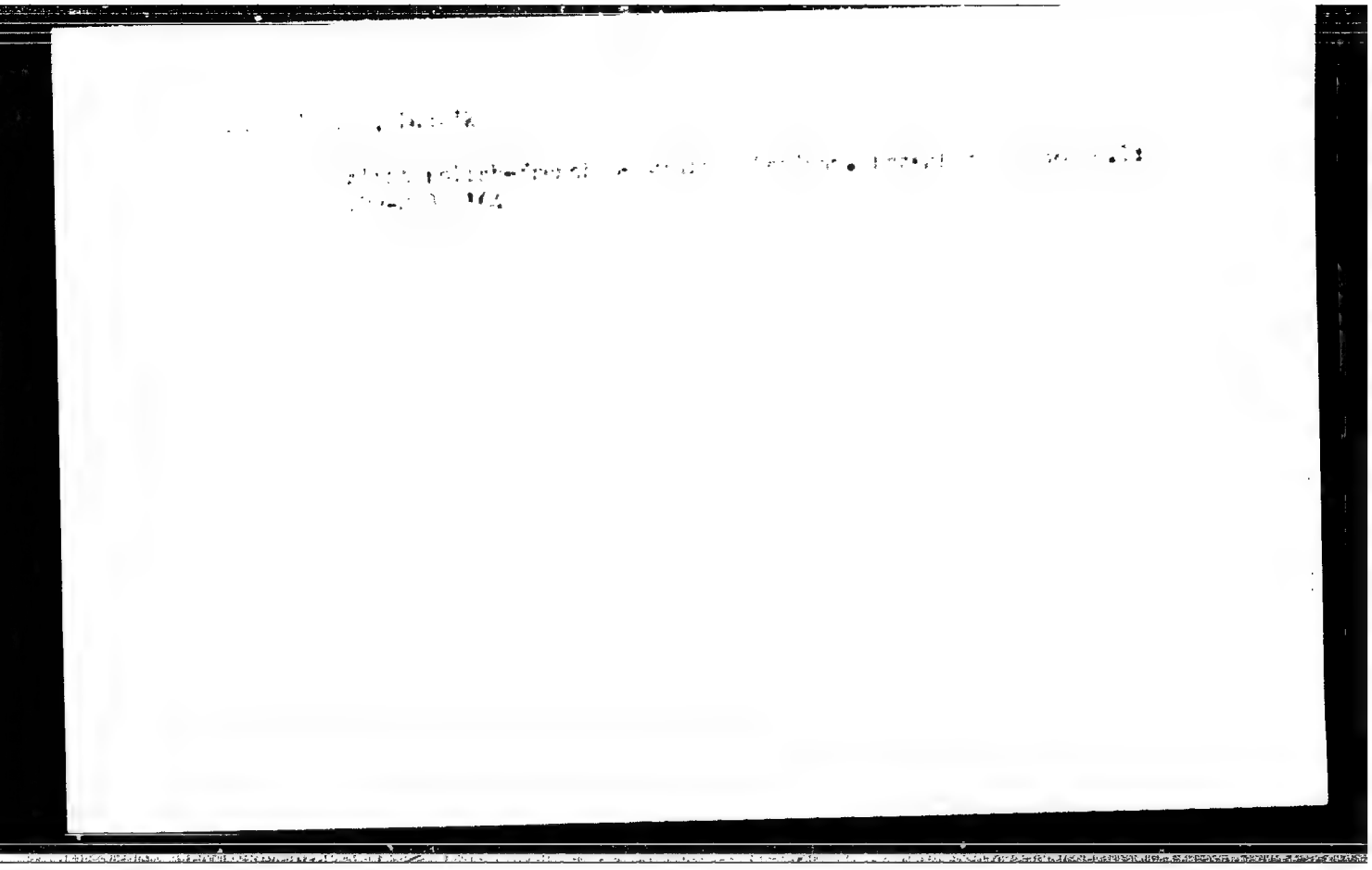

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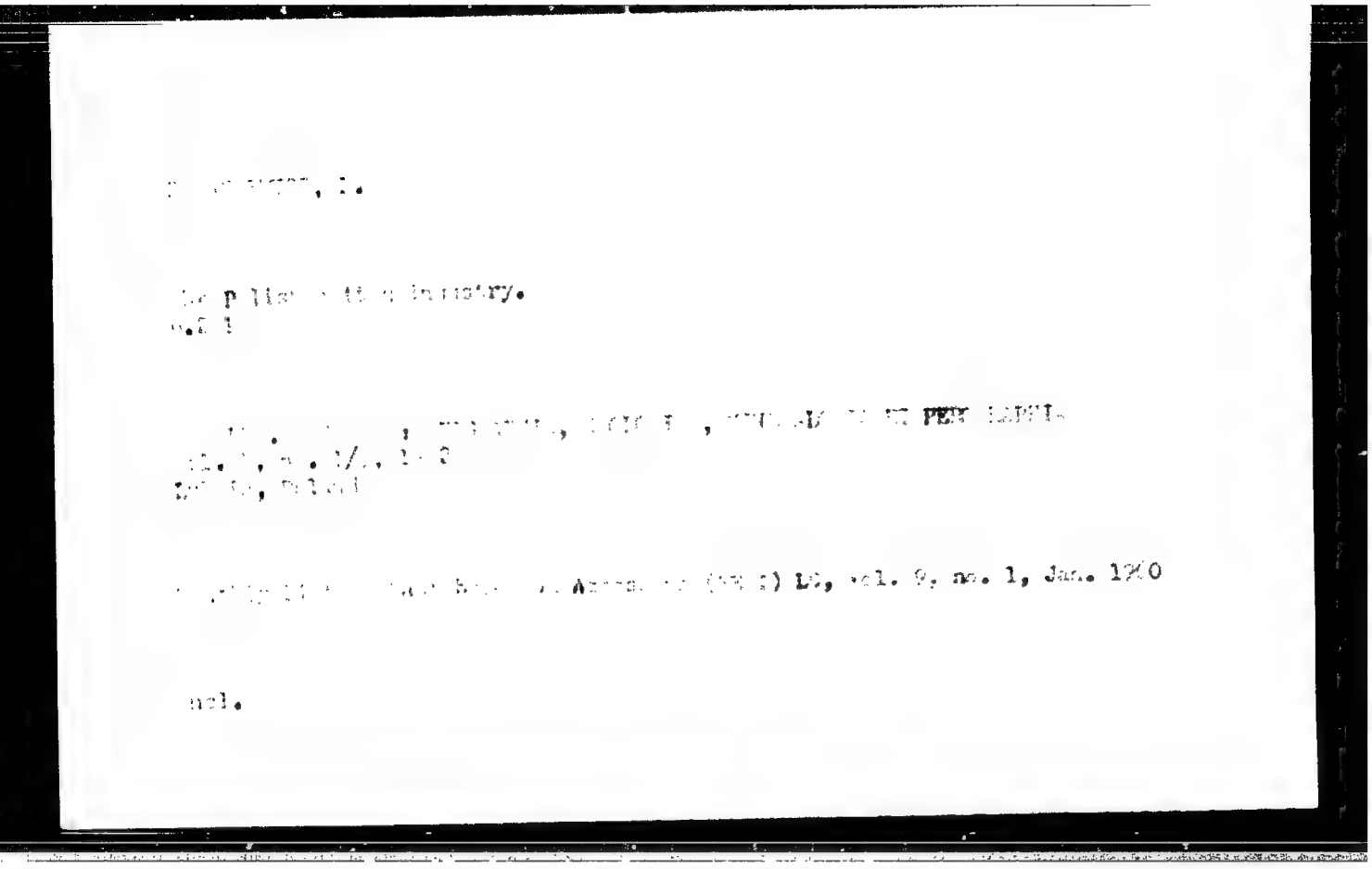

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SIPAS ENICZ, L.

The suburban area of Lodz, p. 182. (PRZEGLAD GEOGRAFICZNY, POLISH GEOGRAPHICAL REVIEW, Warszawa, Vol. 26, no. 4, 1954.)

SO: Monthly list of East European Accessions, (EEAI , LC, Vol. 4, No. 2, Jan. 1955, Uncl.

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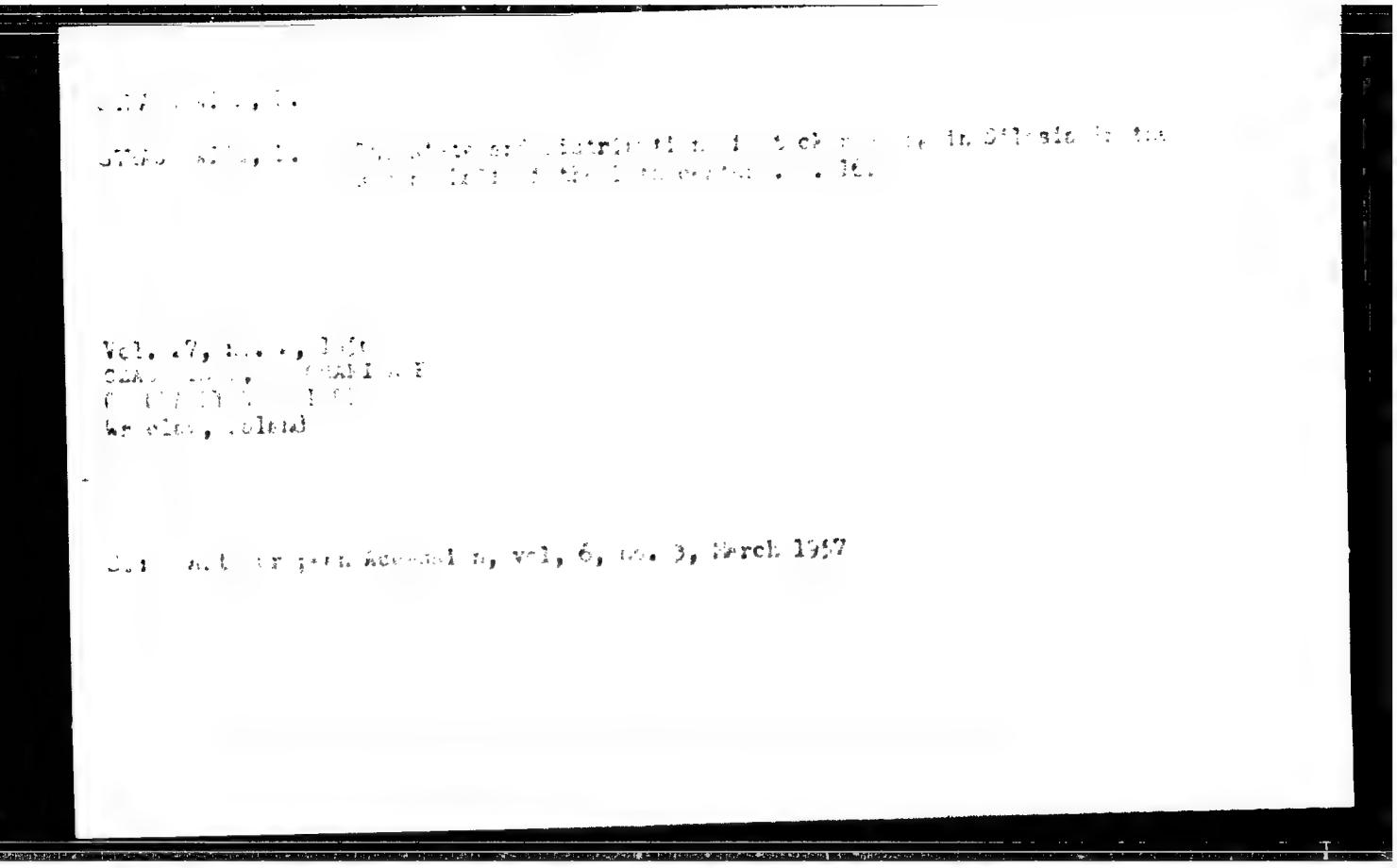

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[illegible], I.

Location of places of employment and residence in the Lodz Industrial District. p. [illegible].
(PRZEGLĄD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW. Vol. [illegible], no. 4, 1956, Poland).

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. [illegible], June 195[illegible]. Uncl.

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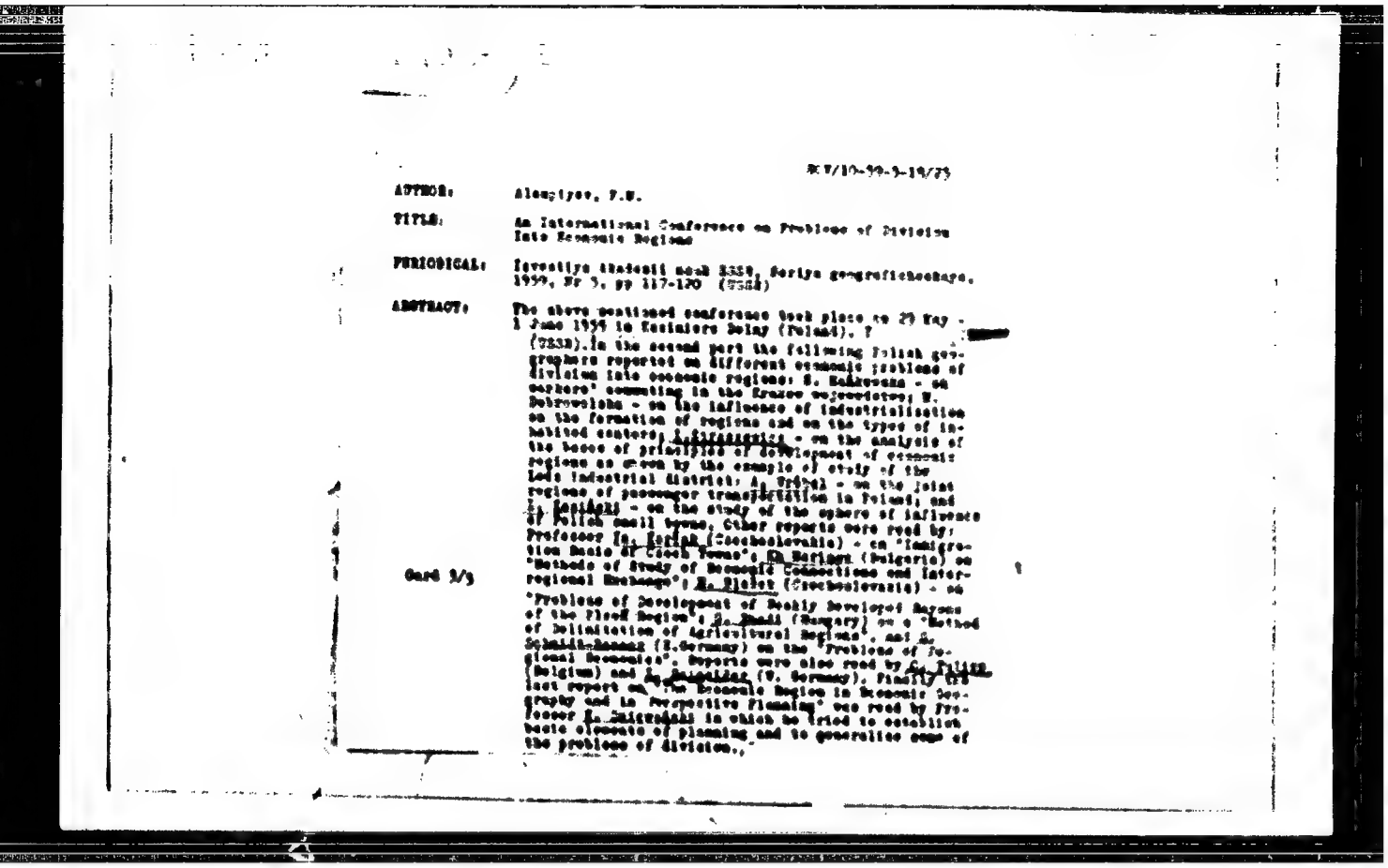

SOV/10-59-3-19/25

AUTHOR: Alampiyev, P.M.

TITLE: An International Conference on Problems of Division Into Economic Regions

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 3, pp 117-120 (USSR)

ABSTRACT: The above mentioned conference took place on 29 May - 1 June 1959 in Kazimierz Dolny (Poland), 7 (USSR). In the second part the following Polish geographers reported on different economic problems of division into economic regions: S. Kaźkowska - on workers' commuting in the Krakow wojewodstwo; W. Dobrowolska - on the influence of industrialization on the formation of regions and on the types of inhabited centers; [illegible] - on the analysis of the bases of principles of development of economic regions as shown by the example of study of the Lodz industrial district; A. Wróbel - on the joint regions of passenger transportation in Poland; and [illegible] - on the study of the sphere of influence of Polish small towns. Other reports were read by: Professor [illegible] (Czechoslovakia) - on "Immigration Basis of Czech Towns"; [illegible] (Bulgaria) on "Methods of Study of Economic Connections and Interregional Exchange"; [illegible] (Czechoslovakia) - on "Problems of Development of Weakly Developed Rayons of the Plzeň Region"; [illegible] (Hungary) on a "Method of Delimitation of Agricultural Regions", and [illegible] (E.Germany) on the "Problems of Regional Economics". Reports were also read by [illegible] (Belgium) and [illegible] (W. Germany). Finally the last report on "The Economic Region in Economic Geography and in Perspective Planning" was read by Professor [illegible] in which he tried to establish basic elements of planning and to generalize some of the problems of division.

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STRASZEWICZ, Ludwik, docent, dr.

The Lodz industrial district as a subject of investigations of economic geography. Przegl geogr. Suppl. to v.31:69-91 '59.
(MIRAI 9:6)

1. Head of the Department of Economic Geography of the Geographical Institute of the Lodz University, Lodz.
(Poland --Cities and towns)

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWICZ, Ludwik, doc., dr. (Lodz, ul. Orzeszkowej 9)

"Problems of the metropolis" edited by J.H.Schultze. Reviewed by L.Straszewicz. Czasopismo Geograficzne 32 no.2:244-245 '61.

1. Lodz, Uniwersytet.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWICZ, Ludwik

The Bulgarian textile industry. Przegl geogr 33 no.4:663-678 '61.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

[redacted], Ludwik (Lodz)

"Geography and action; introduction to applied geography" by M. Philipponeau. Reviewed by Ludwik Straszewicz. Czasop geograf 33 no.3:365-366 '62.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWICZ, Ludwik

The French textile industry and its role in the national economy of France. Przegl geogr 34 no.2:309-331 '62.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWICZ, Ludwik

"Development of the construction of cities" by E. Hruska. Reviewed by Ludwik Straszewicz. Przegl geogr 34 no.3:607-608 '62.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWICZ, Ludwik

Poland

no title given

no affiliation given

Warsaw, Przegląd Geograficzny, Vol 34, No 3, 1962, pp 607-08.

Book review:
HRUSKA, K., Development of Urban Construction, (Vyvoj stavby miest), Bratislava 1961, 370 pages.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWICZ, Ludwik

"Megalopolis - the urbanized northeastern seaboard of the United States" by J.Gottmann. Reviewed by Ludwik Straszewicz. Przegl geogr 34 no.4:785-787 '62.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZECKI, Ludwik

Traumatic rupture of the gallbladder. Pol. przegl. chir. 34 no.8: 833-835 '62.

1. Z Oddzialu Chirurgii Urazowej Szpitala Miejskiego w Olivicach Ordynator: dr J. Skorko [deceased].
(GALLBLADDER DISEASES) (ABDOMINAL INJURIES)

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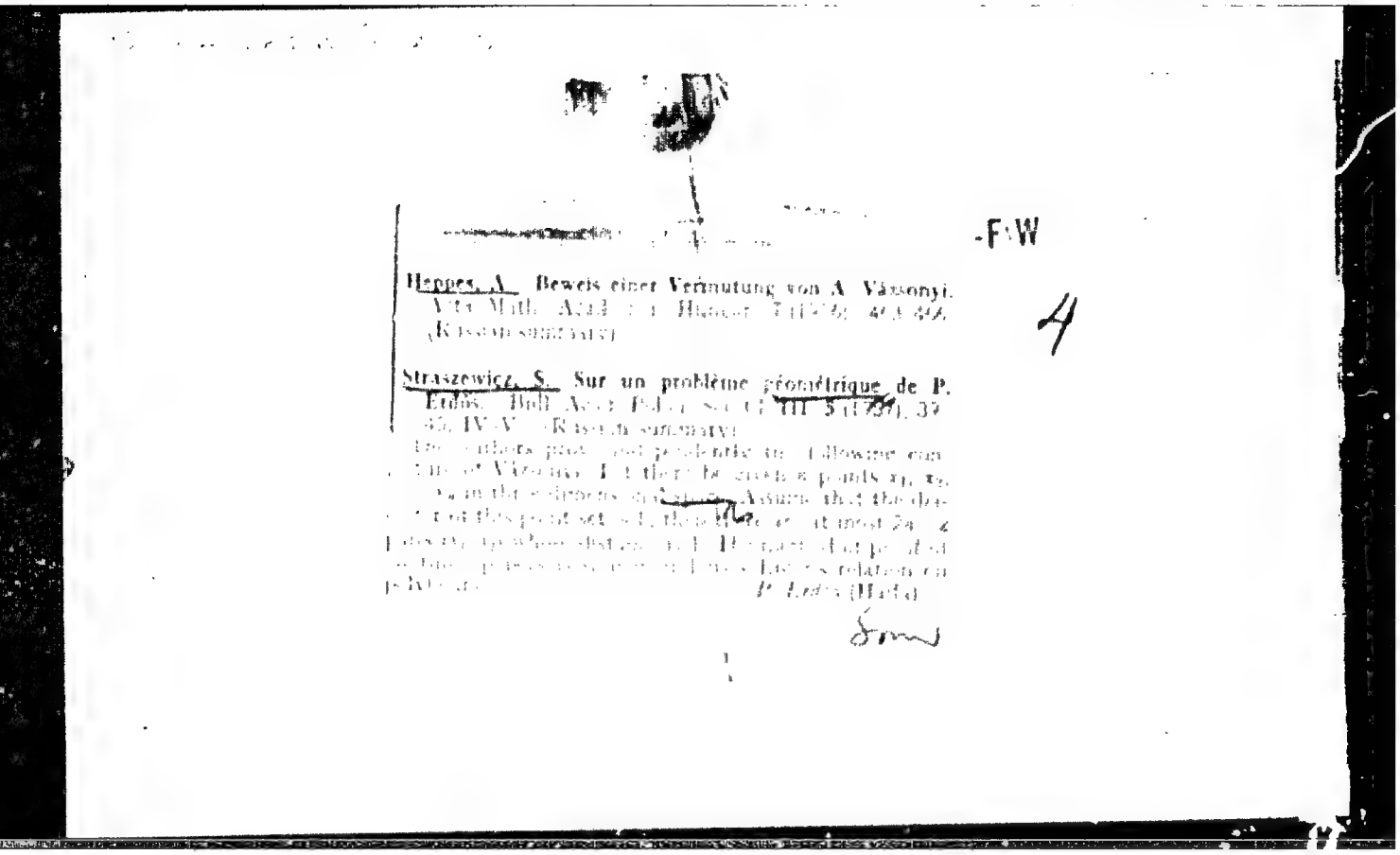

-F:W

4

Heppes, A. Beweis einer Vermutung von A. Vázsonyi. Acta Math. Acad. Sci. Hungar. 7 (1956), 463-466. (Russian summary)

Straszewicz, S. Sur un problème géométrique de P. Erdős. Bull. Acad. Polon. Sci. Cl. III 5 (1957), 39-45, IV-V. (Russian summary)

The authors prove [illegible] the following con[illegible] of Vázsonyi. [illegible] there be given [illegible] points [illegible] in the [illegible] Assume that the [illegible] of this point set [illegible] at most [illegible] [illegible] relation on [illegible]

P. Erdős (Haifa)

Sm

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2

1-F\W

Straszewicz, S. Sur la trigonométrie de Lobatchevsky. Ann. Polon. Math. [illegible]

The author gives new proofs of the fundamental theorems of hyperbolic trigonometry, which are based only on the theorem that the sum of the angles of a triangle is $-\pi$, the axiom of Archimedes and certain theorems which can be deduced from axioms I_{1-3}, II and III of Hilbert's system. *L. A. Santaló*

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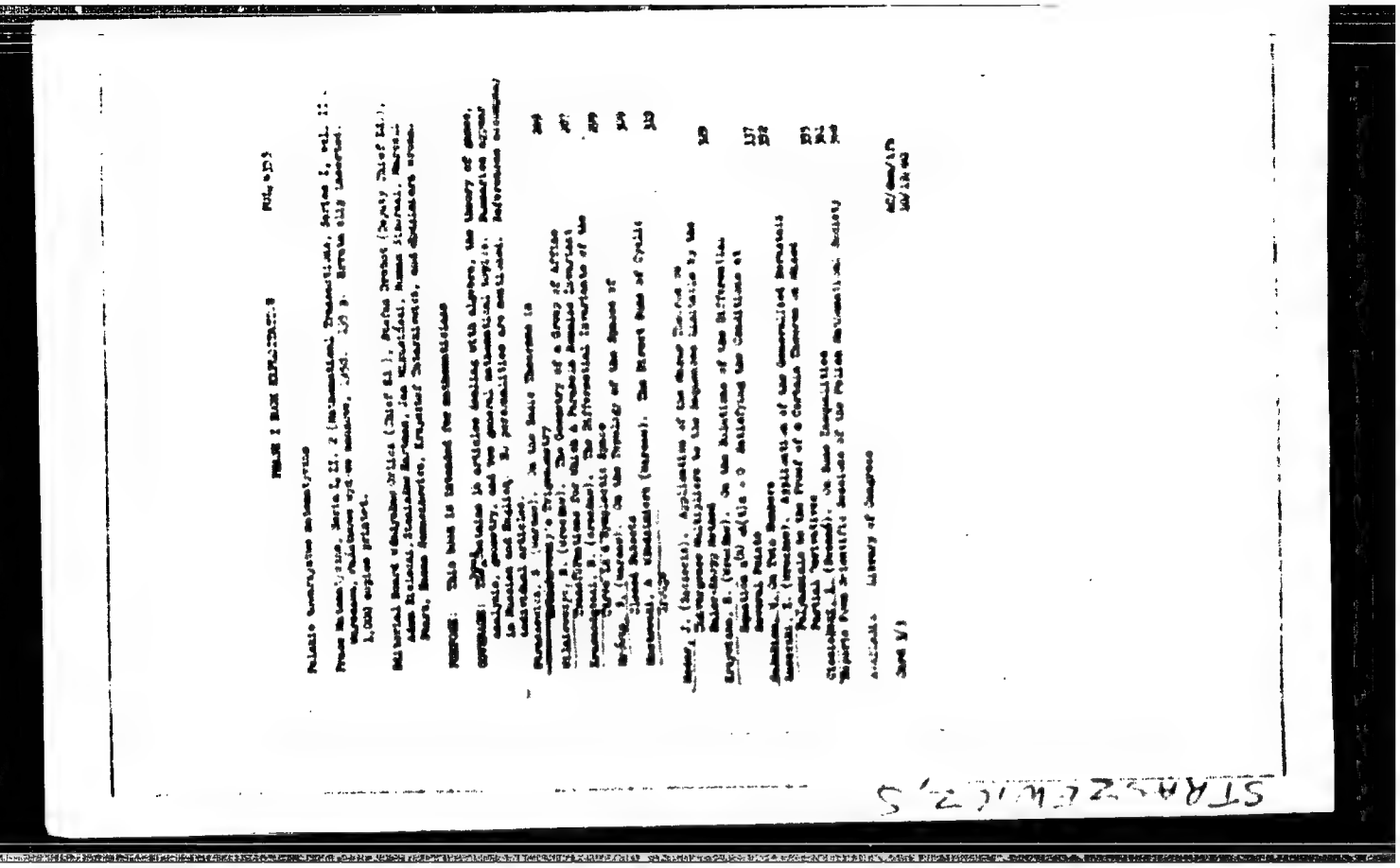

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWICZ, S. (Warszawa)

Stefan Kulczycki; an obituary. Rocz wiad matem 4 no.2:151-154 '61.

(Kulczycki, Stefan) (Mathematicians, Polish)

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWICZ, S. (Warszawa)

Suggested reform for the teaching of mathematics in the light of debates at international conferences. Rocz wiad matem 5:81-86 '61.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWICZ, Stefan

"Combinatorial plane geometry" by H.Hadwiger, H.Debrunner. Reviewed by Stefan Straszewicz. Rocz wiad matem 6 no.1:99-100 '62.

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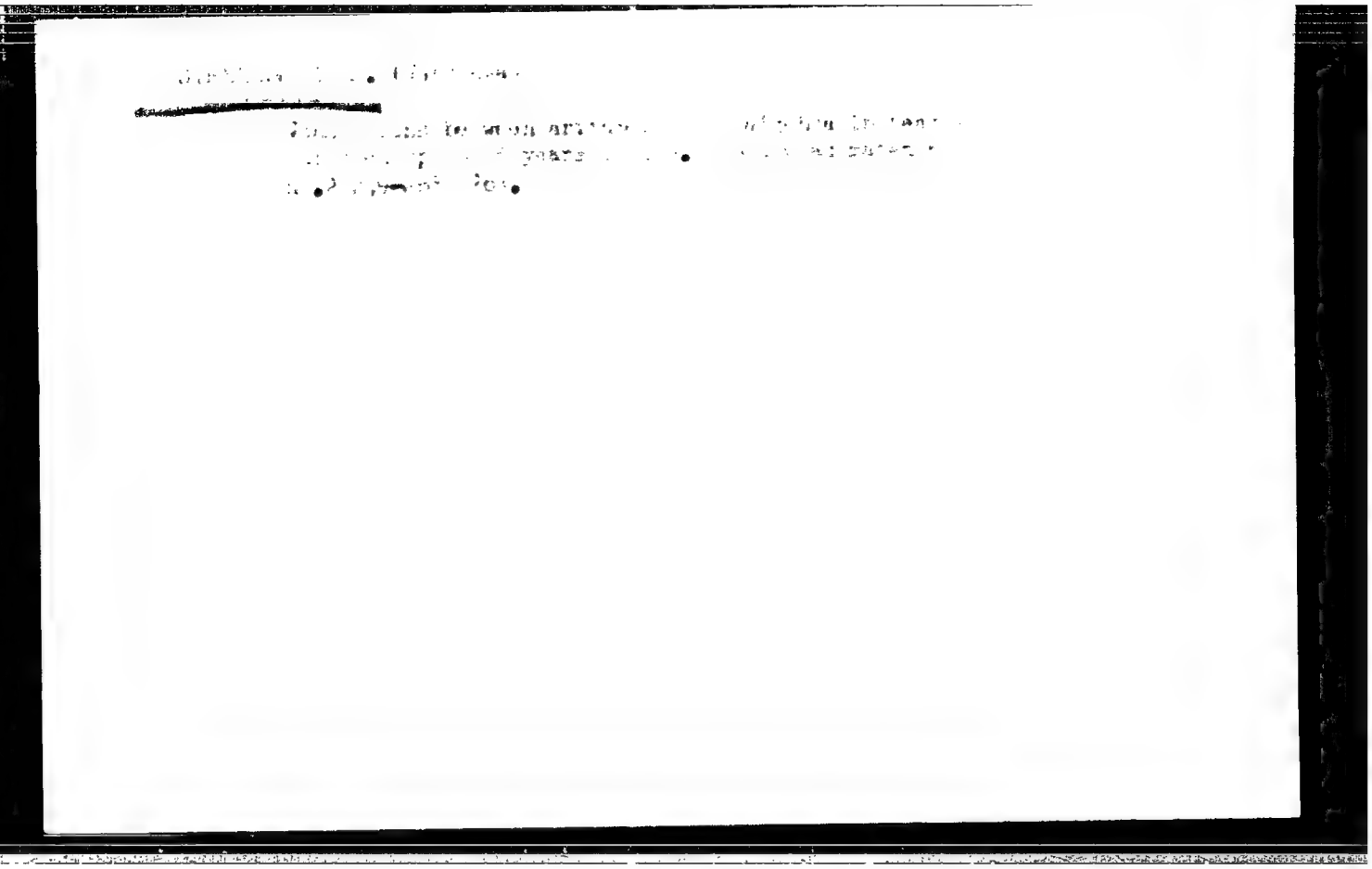

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

[illegible], Rudolf, inz. (Bydgoszcz); [illegible], Stefan, prof. dr

Teaching of mathematics in secondary schools. Problemy 20 no. 6: 381-383 '64.

1. Vice-president of the International Commission of Education in Mathematics (for Straszewicz).

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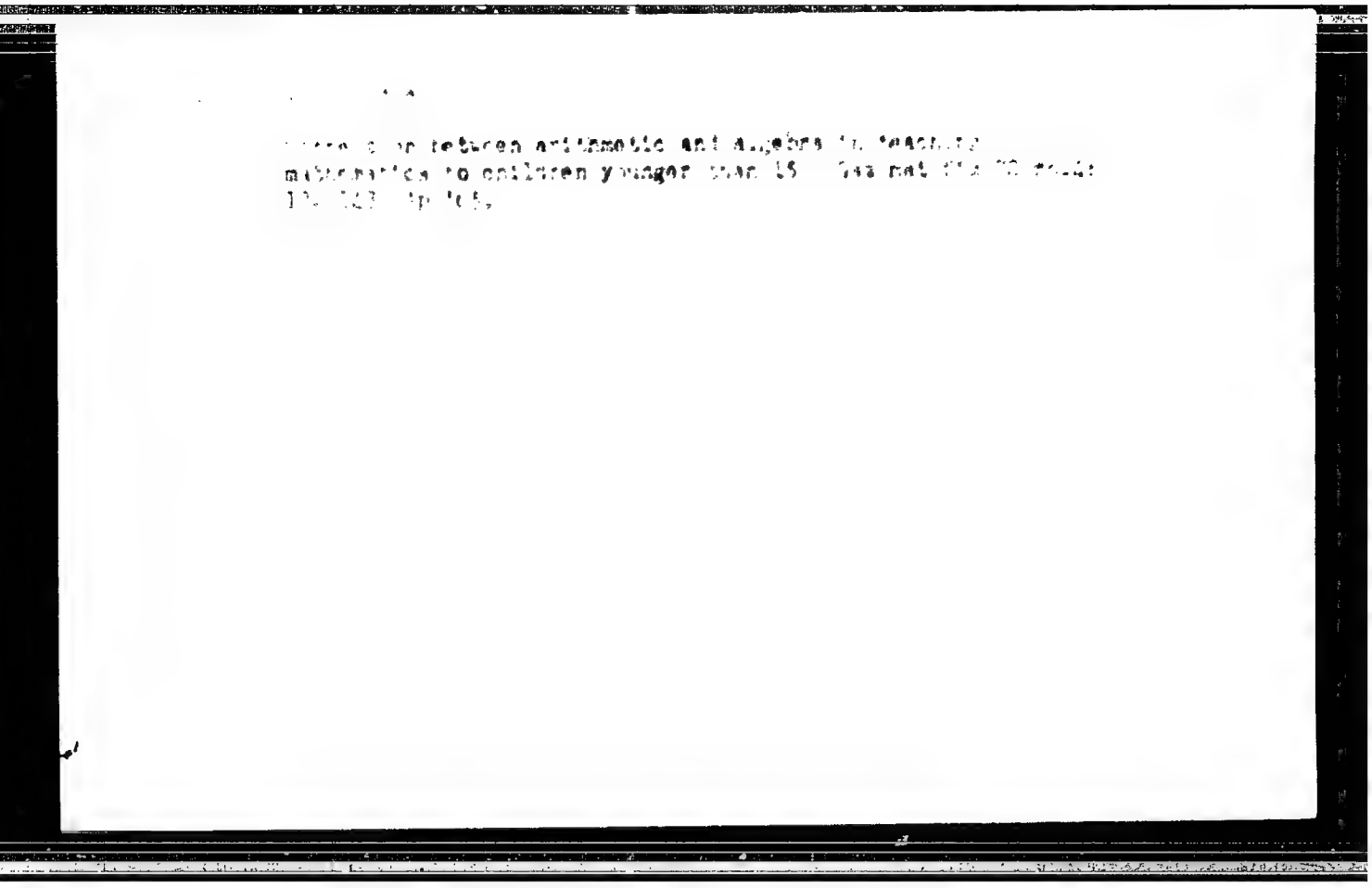

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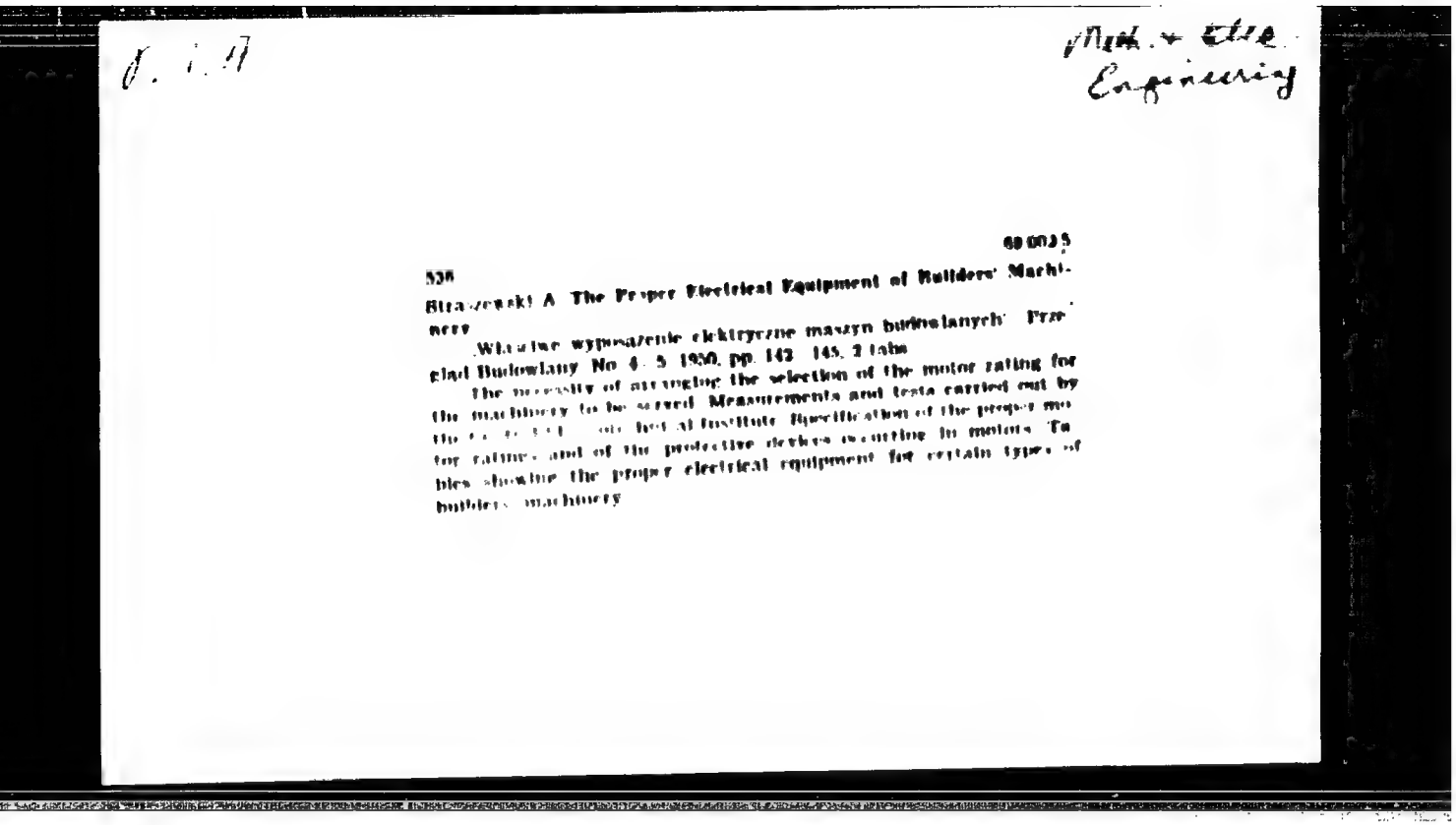

P. I. A

Mech. + Elec. Engineering

69 003 5

538

Straszewski A. The Proper Electrical Equipment of Builders' Machinery

Właściwe wyposażenie elektryczne maszyn budowlanych. Przegląd Budowlany No 4-5 1950, pp. 142-145, 2 tabs

The necessity of arranging the selection of the motor rating for the machinery to be served. Measurements and tests carried out by the [illegible] Institute. Specification of the proper motor ratings and of the protective devices occurring in motors. Tables showing the proper electrical equipment for certain types of builders' machinery.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

"Department for electric machines and drives of the Electrotechnical Institute," p. 59. (Przeglad Elektrotechniczny, Vol. 30, no. 2, Feb 54, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZAKI, A.

Induction generators. Pt. 1. Variable-pole induction generators. p. 202.
(WIADOMOSCI ELEKTROTECHNICZNE. Vol. 16, no. 9, Sept. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957. Uncl.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWSKI, A.

Induction voltage regulators (rotary transformers).

P. 147 (WIADOMOSCI ELEKTROTECHNICZNE) (Warsaw, Poland) Vol. 17, no.6, June 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

STRASZEWSKI, A.

A brushless variable-speed induction motor.

P. 182 (WIADOMOSCI ELEKTROTECHNICZNE) (Warsaw, Poland) Vol. 17, no. 6, June 1957

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 5, 1958

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5

8(2,5) POL/19-8-3-6/10

AUTHOR: Straszewski, A. and Sliwiński, T.

TITLE: Analyzer for Calculating Induction Motors

PERIODICAL: Archiwum elektrotechniki, 1959, Vol 8, Nr 3, pp 469-498 (Poland)

ABSTRACT: The article describes an analyzer for calculating induction motors, built by the authors, under the direction of Professor, Doctor, Engineer Dubicki, B. A block scheme of the main circuit of this analyzer will be found in Fig 14 and a front, side and rear view in Fig 15. The performance of induction motors is usually calculated by analytic methods or graphical methods such as circle diagrams, on the basis of an equivalent circuit. These calculations tend to be complex in the case of motors with high bars in the rotor or double squirrel cage motors and even more so in case of single phase motors. The authors describe here the Moneen network calculator built by the Westinghouse Corp. for calculating the performance

Card 1/5

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Analyzer for Calculating Induction Motors

equivalent circuits of different kinds of induction motors. By measuring voltage, current and power in the circuit, the performance of the motor may be predicted. The equivalent circuit is made up of a decade set of resistances, reactances and capacitances, its characteristic feature being the substitution of reactances for capacitances and vice-versa. This makes for greater accuracy in calculation since losses in capacitors are much smaller than losses in choke coils. The authors at this point reproduce at length the results of preliminary measurements made on model circuits. They consider that these results fully justify their initial assumptions. An analysis of unit values of resistances and reactances was performed and the limits of the possible values of circuit constants for motors of different powers and voltages were determined. As far as the analyzer's power supply is concerned, a frequency of 500 cycles,

Card 3/5

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Analyzer for Calculating Induction Motors

a voltage of 90 volts and a current of 25 milliamps. were chosen. Table 5 sums up the measurements made by the authors. A comparative study of these shows that the differences between them are small. In the opinion of the authors, the errors that do appear are to accounted for by the imperfection of the materials used especially for resistances and capacitances, also by the high power consumption of the measuring circuit. There is every reason to believe that once these shortcomings have been overcome, the calculations will be still more accurate. The article ends with descriptions of the general structure of the analyzer and of the power, measuring and modelling circuits. There are 5 tables, 21 layout diagrams, 1 graph and 14 references, 1 of which is Polish, 2 Soviet, 3 German and 8 English.

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Card 4/5

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